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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/710,665	07/28/2004	Linux Cheng	ACMP0144USA	4664
27765 7590 03/27/2007 NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O. BOX 506 MERRIFIELD, VA 22116			EXAMINER BECK, ALEXANDER S	
			ART UNIT	PAPER NUMBER
			2629	
SHORTENED STATUTORY PERIOD OF RESPONSE		NOTIFICATION DATE	DELIVERY MODE	
3 MONTHS		03/27/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 03/27/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.		Applicant(s)	
	10/710,665		CHENG, LINIX	
	Examiner		Art Unit	
	Alexander S. Beck		2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 January 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 July 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Acknowledgment is made of the amendment after non-final rejection filed by the applicant on 1/5/2007, in which: claims 1 and 5 are amended; and the specification is amended. Claims 1-8 are currently pending in U.S. Application Serial No. 10/710,665, and an office action on the merits follows.

Drawings

2. The objection to the drawings, set forth in paragraph 2 of the non-final office action mailed on 11/14/2006, is withdrawn in light of the applicant's amendment to the specification.

Claim Objections

3. Claims 1 and 5 are objected to because of the following informalities:

The newly added limitations to amended claims 1 and 5 contain subject matter that contradicts what is disclosed in the specification. Specifically, the newly added limitations read, in part, "when the interface apparatus is rotated in a plane parallel with a plane of the display apparatus". However, the specification refers to the interface apparatus as element 30, comprising of a base 26, a shaft base 28, a shaft 60 and a display panel 24. *Specification* at pp 4-5, par 21. It is the examiner's interpretation from the specification and drawings of the instant application that the base 26 does not serve to rotate in a plane parallel with a plane of the display apparatus. Therefore, the interface apparatus 30 as a whole, which comprises base 26, also does

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not serve to rotate in the same manner. Accordingly, unless the base 26 is rotated in a plane parallel with a plane of the display apparatus, it is the examiner's suggestion that the claims be amended to further clarify which components of the interface apparatus 30 are actually rotated in that manner.

Moreover, claims 1 and 5 recite the limitation "the display apparatus" in lines 13 and 16, respectively. There is insufficient antecedent basis for this limitation in the claim.

In light of the claim objections above, the following art rejections are made on the claims as best understood by the examiner.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Roach (U.S. Patent No. 6,248,017 B1, hereinafter *Roach*).

As to claims 1 and 5, *Roach* teaches/suggests a computer system in Figures 1-7 comprising:

a mainframe providing a video signal; and

an interface apparatus electrically connected to the mainframe, the interface apparatus comprising:

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a base (105);

a receiving circuit (500) for receiving a video signal;

a display panel (150,500) for transforming the video signal into an image and displaying the image thereon;

a shaft (125) connected to the display panel (150) and movably disposed on the base (105); and

a detecting module (500) for detecting a movement of the shaft (125) relative to the base (105) and generating a detecting signal correspondingly;

wherein when the shaft (125) is moved, the shaft (125) simultaneously moves the display panel (150), and the detecting module (500) generates the detecting signal, and when the interface apparatus is rotated in a plane parallel with a plane of the display apparatus, the images displayed on the display panel (150) move corresponding to the rotation of the interface apparatus. *Roach* at col 2, ln 37 – col 3, ln 20; col 4, ln 6-24; col 6, ln 40-50.

As to claims 2 and 6, *Roach* teaches/suggests wherein the shaft (125) further comprises at least one handle (145 w/grooves) connected to the display panel (150) for a user to move the shaft (125). *Roach* at col 4, ln 6-24; col 6, ln 40-50.

As to claims 3 and 7, *Roach* teaches/suggests wherein the shaft (125) further comprises: at least one button (310) disposed on the handle (145 w/grooves) for the user to press; and a button circuit (500,515,520,525,530,535) outputting a corresponding button signal while the button (310) is pressed. *Roach* at col 4, ln 6-24.

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As to claims 4 and 8, *Roach* teaches/suggests wherein the display panel (150) is a liquid crystal display. *Roach* at col 1, ln 41-42.

Conclusion

6. Applicant's amendment necessitated the new grounds of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

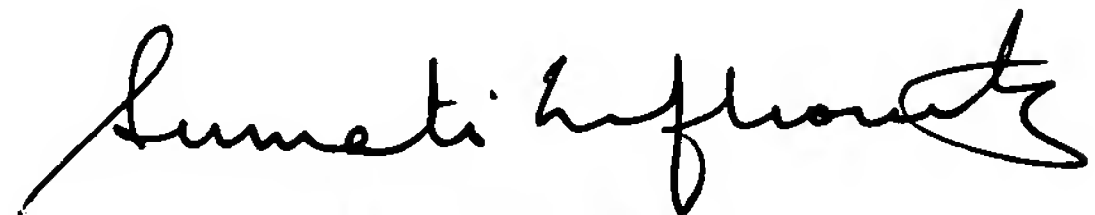
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander S. Beck whose telephone number is (571) 272-7765. The examiner can normally be reached on M-F, 8AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz can be reached on (571) 272-3638. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

asb
3/21/07



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